

TWP Ops Pacific Teleconference Agenda 16Sep08

Local Times:

USA: 16:30 MDT Tuesday Afternoon	Direct dial-in numbers:
Darwin: 08:00 Wednesday Morning	1-303-433-3431 (international)
PNG: 08:30 Wednesday Morning	1-877-407-0183 (toll free in U.S.)
Nauru: 10:30 Wednesday Morning	Access number: 329169

PARTICIPANTS:

TWPO	ARCS#1	ARCS#2	ARCS#3
Larry Jones	Hymson Waffi	Andrew Kaierua	Krzysztof Krzton
Kim Nitschke	Taddy Baras	Franklin Teimitsi	John Glowacki
Amon Haruta	Myra Selan		Troy Culgan
Charles Brinkmann			Mike Ryczek
Monty Apple			
Clif Meyer			

Red Text indicates new info since last call

Blue Text indicates info on items discussed during call

Tasks are organized alphabetically for each site.

1. Announcements

- Krzysztof is back.
- Krzysztof will be transferring to his former position in Melbourne in October.
- Switch to new Teleconference number next week: From within US call: 1-866-925-1562 or from outside US call: 1-505-606-1398

2. Upcoming Site Visits (no need to cover during Teleconference)

3. Manus Facility Status:

Discuss during Teleconference:

- **BBSS:** Failed sondes: ?? as of 20May08. Were the 34 failed sondes packed up and sent to SGP?
- **COMMS:** Switch to new Teleconference number next week: 1-505-606-1398, no additional access number is required.
- **IRT:** DQPR 2012, 08Sep08: The IRT does not read below 0 degrees. V. Morris 12Sep08: Need to replace the Skyrad IRT. Send spare from Darwin asap (s/n 868). Observers can swap out once the spare arrives.
- **MMCR:** Need spare TWTA and CUDC shipped to Manus. Monty requested SGP to ship spare TWTA and CUDC to Manus on 10Sep08. Amon will follow up with George.
- **MMCR:** Contact Sheet K. Widener 11Sep08: I-van RH: In trying to nail down some issues that developed over the weekend with the MMCR, I noticed that the relative humidity is quite high ~80% on both DSView and the MMCR's health message. Can this be checked out please? Hymson reported all 3 ac's were running properly - John will let Kevin know. KK will also check into current RH readings on Manus.
- **TSI:** DQPR 2021: Return the TSI to Darwin for repair and put electrical tape over lens asap until it is shipped to Darwin
- **VANS:** Paint on the I- Van is starting to peel. The other vans appear OK. Monty asked David Brough to provide cost of paint required to paint the roof.

Issues to monitor, no need to cover on Teleconference:

- **Anemometer cable:** We will switch over to shielded twisted pairs for the pigtail and rest of the cable. Mike Ritsche provided cable spec and ordering info. Cable ordered 08Aug08. Arrived SGP 04Sep08.

Shipments:

- **BBSS:** Shipment Darwin, 01Aug08, DHL 343 3684 892, Molecular Sieve, to Manus, 1 box.
- **BBSS, DS, GENSET:** Shipment SGP, 04Sep08, Fed X 822557852660, 240 Balloons, DS APC UPS, ARM CORE PC UIU, Genset fumes filter, to Manus, 1 box.
- **BBSS, TSI:** Shipment SGP, 09Sep08, FedEx 822557852638, Radiosondes and TSI Switch, to Manus, 4 boxes.
- **MMCR:** Shipment ORNL, 13Aug08, DHL 8932937650, 2 MMCR Data Disks, to Manus, 1 box. Rec'd Manus 13Sep08.
- **MMCR:** Shipment Manus, 03Sep08, DHL 828 8350 475, MMCR Cal Kit (for K Widener), MMCR Antenna De-condensation Unit (for repair,) and IRT Infrared Thermometer, to SGP, 1 box.
- **MMCR:** Shipment ORNL, 08Sep08, DHL 8941146174, Data Disks, to Manus, 1 box.

4. Nauru Facility Status:

Discuss during Teleconference:

- **BBSS:** Failed sondes: Approx ?? have failed as of 02Sep08. AWB for return of 40 sondes?
- **BBSS:** Using Helium as of 26Aug08 due to breaker on Electrolyser Motor tripping when motor starts up. ?? full Helium cylinders left.
- **COMMS:** Switch to new Teleconference number next week: 1-505-606-1398, no access number is required now.
- **Genset:** Diesel Fuel situation: Tank 1 (600 gallon tank) is ?? full. Tank 2 (1000 gallon tank) is ?? full. ?? full drums remaining.
- **LICOR:** Need to download data and send it to Chuck Long each week.
- **MMCR:** Contact Sheet 11Sep08 K. Widener: I also looked at Nauru and all RH measurements on DSView are flatlined for today. KK will follow up.
- **OTHER:** Currently Our Airline is only going between Brisbane and Nauru once a week. Arrive Nauru on Thursday and depart Nauru on Sunday.
- **Pickup Truck:** Andrew to report on quarterly servicing.
- **Pickup Truck:** Purchase of trailer to move diesel fuel drums? Need cost & availability from Andrew if available on Nauru.

Issues to monitor, no need to cover on Teleconference:

- **BBSS:** David Brough will organise the clearance & delivery of 20 empty helium cylinders from Nauru to BOC and let us know when they get there. The vessel is due into Brisbane about 15th Sept and subject to quarantine etc., probably deliver around 22nd to BOC.
- **Electrolyser:** Explosion proof rated replacement motor for Electrolyser Compressor was shipped from SGP to Nauru on 05Sep08. Should arrive Nauru on 15Sep08.
- **Electrolyser:** Need to replace Compressor Motor and cabling on next SV. KK to purchase cabling prior to next SV.
- **Genset:** As of 02Sep08, the Genset is due for 3000 hr maint. Last svc at 5865, currently at 6115. Monty/Clif organizing maintenance trip with David Brough.
- **Genset:** #2 tank fuel gage is faulty and spares have the wrong thread. Monty will send correct gage/fitting.

- **TSI:** V. Morris 15May08: The TSI was power-cycled but it did not correct the temperatures. The dome is now "-13.43" again and the heat sink is still "91" so both the heater and cooling fan are on at the same time. V. Morris 03Jun: Ray says we are using the correct thermistor. I recommend that we get ECO-625 moving to upgrade the control boards.

Shipments: Scarlett Lucy Voy 03: Loose cargo close 25Sep, Full container close 01Oct, ETD Brisbane 04Oct, **ETA Nauru 19Oct.**

- **BBSS:** Shipment SGP, 05Sep08, Fed X 822557852649, H2GEN compressor motor, TSI 5- port hub/switch, to Nauru, 1 box.
- **BBSS:** Shipment SGP, 09Sep08, FedX 822557852627, 120 sondes, to Nauru, 3 boxes.
- **DS:** Shipment SGP, 18Jul08, FedX 799354602804, 3 DS Seagate HD's to Nauru, 1 box.
- **GENSET:** Shipment CTS Brisbane, 26Aug08, Scarlet Lucy Voy 1, Bill of Lading S24835, 50 drums diesel, UPS Battery, Genset parts, to Nauru.
- **MMCR:** Shipment ORNL, 28Aug08, DHL 8938186935, 2 MMCR HD's to Nauru, 1 box.
- **Resupply:** Shipment Darwin, 08Sep08, DHL 343 1272 913, Genset Exhaust parts, Pickup Truck filters, Cleaning towelettes, to Nauru, 3 boxes. **Rec'd Nauru on 12Sep08.**
- **UPS:** Shipment SGP, 28Aug08, FedX 822557852671, APC Smart UPS for DS, to Nauru, 1 box.

5. Darwin Status:

Discuss during Teleconference:

- **MPL:** DQPR 2005, 17Aug08: Meanwhile, it would be a good thing to think about/plan to change the photo diode; the energy out is really too low for hi altitude results." **John to provide ordering info on the photo diode to Monty.**

Issues to monitor, no need to cover on Teleconference:

- **COMMS:** Monty **requested purchase of 4 Dell GX620 internal Power Supplies (for small form factor "SFF") to ship to Darwin (to replace units shipped to China).**
- **COMMS:** Switch to new Teleconference number next week: 1-505-606-1398, no access number is required now.
- **DS:** Collector computer amber warning light is flashing - why? Trent Doyle is looking for the cause of this flashing light. Still no word on the fix for this.
- **MMCR:** Need replacement power supply, Lambda p/n LFS-4128. Clif ordered on 19Aug08.
- **MMCR:** John Glowacki to ship 1 coax cable and 2 waveguide adapters to Manus - John will send out with Resupply items. Clif ordered 2 waveguide adapters for shipment directly to Kevin. **John sent 1 coax cable to Kevin via SGP.** Need to obtain/build Antenna Heater Blower Box - Kevin Widener to provide more info to do so.
- **SMET:** Problem with wind speed where voltage is induced on wind speed part of cable - at all sites. We will replace all the anemometer cables and pigtails at TWP and AMF. **Cable shipped to Darwin on 09Sep08.**

Shipments:

- **AERI, DS, MMCR, MPL, ORG:** Shipment SGP, 04Sep08, FedX 790075499046, AERI parts, DS APC UPS, ORG Test Kit & Data Cable, MMCR Power Supply

For Radian interface chassis, MPL Temp Sensor, ARM Core PC UIU, to Darwin, 1 box. **Rec'd Darwin 15Sep08.**

- **DS/NFS:** Shipment Manus, 10Sep08, DHL 828 8350 475, Store Vault Network Appliance, to Darwin, 1 box.
- **SMET:** Shipment Nauru, 28Aug08, Our Airline 123-22025043, Anemometer, to Darwin, 1 box.
- **TSI, MET:** Shipment, SGP, 09Sep08, Fed X 798507959345, TSI Switch, MET Signal Wire & Cable Assy, to Darwin, 1 box.

6. AMF and AAF Status - China Deployment:

HFE-M1 is the "main" site in Shouxian (AMF)

HFE-S1 is the "supplementary" site in Taihu.

The "ancillary" site is near Zhangye near Linze and is called the (AAF). It will move to Xianghe near Beijing in June. HFE is used as the suffix since that is the central Airport code everyone decided to use from the Hefei, China airport. Chinese New Year in 2009 starts 26Jan09. Discuss concerning pack up.

Discuss during Teleconference:

- **BBSS:** 08Sep08: Computer is broken so no balloon launches until GX620 has it's power supply replaced by Mike later this week.
- **COMMS:** No need to send any additional pc's to China. Darwin did send GX270 motherboard and with the spare power supplies for the GX620's, Mike Alsop should be able to get 3 pc's up and running.
- **COMMS:** Switch to new Teleconference number next week: 1-505-606-1398, no access number is required now.
- **MWR:** DQPR2008 28Aug08: Both tknd and tkxc have been failing the MAX value of 333 K since approximately 3:00 GMT on 08/27. Due to the DQO's limited monitoring capabilities at the moment for HFE, I have no way of examining the data to determine the precise time the problem occurred. Maria C., 03Sep08: tbsky23 and tbsky31 no longer failing automated QC after ~17:00 GMT on 08/30. Mike Alsop verified that precipitation was observed in the area recently so this may have been the cause of the issues with the tbsky measurements. tknd and tkxc continue to fail MAX.
- **RWP:** Dell Power Edge 2600 Computer is not working. Will ship replacement computer soon and broken pc will be shipped to SGP for repair after the deployment is over. SGP rec'd on 13Aug08: PCI-Based Radar Processor, Advantech ACP-4000BP-30RE, s/n 14438. Computer is ready to go to China from SGP. It will be shipped by Vaisala all the way to Shouxian. Shipment, SGP, 03Sep08, FedEx International 8450 7543 7600, PCI-Based Radar Processor, to Vaisala China (then on to Shouxian), 1 box. Vaisala will handle shipping all the way to Shouxian. Broken Power Edge 2600 PC should go back to SGP for hard drive replacement/repair - after the deployment. **Processor has cleared Customs and should be on it's way to Shouxian and Amon is following up.**
- **SMET:** MI70 Link cable has wrong connector. USB end is fine but need a 4 pin connector on the other (219687 USB to MI70 - 4pin). Monty to follow up.
- **TKR:** Tom will make 3 Ventilator mounting plates for Tracker.
- **WACR:** Dehydrator arrived SGP on 26Aug08. Need to ship to Shouxian via LANL/DHL along with Lacie HD and Cable Ties asap.

Issues to monitor, no need to cover on Teleconference:

- AMF Ops started in Shouxian on 19May08 and 21May in Taihu.

- **AOS:** At 0200 UTC 23 August 2008, the PSAP unit in the AOS system was turned off at the direct request of Kim Nitschke to comply with CMA agreement.
- **BBSS:** Antenna falling off some sondes when removing from the box. Discussion with Herb Winston and Vaisala ongoing.
- **Genset:** Should a Cylinder Bore Deglazing be scheduled?
- **Genset:** Basler file: Shunt trip disconnected.
- **Genset:** Block heater will not be installed as it was faulty. Replacement heater arrived SGP 28Jul08.
- **MET:** Barometer s/n P0830007 disposed of in China.

Shipments: Ship all equipment to SGP and do not handcarry to China.

- **Aerosol Neutralizer:** Shipment: Global Logistics, 15Feb08, FedEx# 6616 3325 2503/781-5395-8796 Aerosol Neutralizer, to AAF Linze, 1 box. Will stay in Beijing until after Olympics and then shipped back to US.
- **AAF:** Containers to leave China by 31Oct08.
- **AAF APS-3321** (TSI AOS): Shipment, Global Logistics, 01Aug08, DHL 781-57706165, to AAF Xianghe Site, 1 box. **Rec'd 27Aug08.**
- **AAF-1 MPL:** Shipment, Global Logistics, 13Aug08, FedEx 781-57706176, MPL to AAF Xianghe Site, 1 box. **Rec'd 27Aug08.**
- **COMMS:** Shipment Darwin, 29Aug08, DHL 343 3451 243, 2 Dell Power Supplies, 1 box. **The GX-270 parts (motherboard, power supply and floppy disk drive) arrived from Darwin late 11Sep08.**
- **COMMS:** Shipment LANL, Sep08, **DHL 968083379065, 2 wireless routers with antennas, BBSS & ORG cables, Lacie HD, to Shouxian, 1 box.**
- **COMMS:** Shipment ANL, 04Sep08, FedEx 726931625231, 2 Cisco Catalyst 2960 Series for AMF DS in Shouxian, to SGP, 2 boxes. Arrived SGP 05Sep08.
- **RWP:** Shipment, SGP, 03Sep08, FedEx International 8450 7543 7600, PCI-Based Radar Processor, to Vaisala China (then on to Shouxian), 1 box. Vaisala will handle shipping all the way to Shouxian. Broken Power Edge 2600 PC should go back to SGP for hard drive replacement/repair - after the deployment. The FedEx shipment containing the RWP processor is stuck in customs in Beijing because FedEx cannot get a hold of anyone at the Vaisala Beijing office. Please have someone in the Beijing office contact FedEx at 800-988-1888 (toll free in China) or 10-8048-6969 (local) as soon as possible.
- **WACR:** Shipment SGP, 04Sep08, FedEx 799897772913, Seagate HD from Prosensing, to LANL, 1 box. On it's way to China.

7. SGP - Instrument repair/cal status

- **CAL** - Laptop for Cavity Radiometer at SGP: Craig Webb: 19Jun08 - Hard Drive will not boot up. Where should he send the computer since it has a LANL property tag on it? Larry requested photo of computer along with crushed hard drive and property number.
- **DS:** Receival SGP, 07Aug08, Fed X 1347941976 R0, 4 ea DS APC Smart UPS model SUA3000RM2U, from PNNL, 4 boxes. One for each TWP and AMF site DS.
- **ORG:** Shipment SGP, 25Aug08, FedEx 799366952351, ORG (s/n 04090093) from Nauru, to Optical Scientific for repair, 1 box.

Next Teleconference Call on 23Sep08